

TEST REPORT FOR ALUFLAM NORTH AMERICA, LLC

Report No.: N3217.01-303-44 R1

Date: 03/15/23

SECTION 2

SUMMARY OF TEST RESULTS

TITLE	RESULTS
Air Infiltration and Exfiltration @ 1.57psf	0.007 L/s/m ² (0.001 cfm/ft ²)
Air Infiltration and Exfiltration @ 6.24psf	0.007 L/s/m ² (0.001 cfm/ft ²)
Water Penetration Resistance (static) @ 8 psf	No leakage
Water Penetration Resistance (static) @ 12 psf	No leakage
Water Penetration Resistance (static) @ 15 psf	No leakage
Water Penetration Resistance (dynamic) @ 8 psf	No leakage
Water Penetration Resistance (dynamic) @ 12 psf	No leakage
Water Penetration Resistance (dynamic) @ 15 psf	No leakage

SECTION 3

TEST SPECIFICATION(S)/METHOD(S)

The following test methods were used during testing:

ASTM E283-04(2012), *Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen*

ASTM E331-00(2016), *Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference*

AAMA 501.1-17, *Standard Test Method for Water Penetration of Windows, Curtain Walls and Doors Using Dynamic Pressure*

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SECTION 4

MATERIAL SOURCE/INSTALLATION

Test specimen was provided by the client. Representative samples of the test specimen(s) will be retained by Intertek B&C for a minimum of four years from the test completion date.

The specimen was installed into a Douglas-Fir or Spruce-Pine-Fir wood buck. The rough opening allowed for a 1/4" shim space and the exterior perimeter of the specimen was sealed to the test buck. Installation of the tested product was performed by the client.

SECTION 5

LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Edith Loera	Aluflam North America
Benjamin Johns	Intertek B&C

SECTION 6

TEST SPECIMEN DESCRIPTION

Product Type: Fixed Window

Series/Model: AW 50 & AW 64 Series

Product Size(s):

OVERALL AREA:	WIDTH		HEIGHT	
	Millimeters	Inches	Millimeters	Inches
4.04 m2 (43.45 ft2)				
Overall size	1810	71.26	2230	87.8

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SECTION 7

TEST RESULTS

The temperature during testing was 15.56 °C (60° F). The results are tabulated as follows:

TITLE OF TEST	RESULTS	ALLOWED	NOTE
Air Leakage, Infiltration per ASTM E283 at 75 Pa (1.57 psf)	0.007 L/s/m2 (0.001 cfm)	0.5 L/s m2 (0.10 fm/ft2)	1, 2
Air Leakage, Infiltration per ASTM E283 at 298 Pa (6.24 psf)	0.007 L/s/m2 (0.001 cfm)	0.5 L/s m2 (0.10 cfm/ft2)	1, 2
Water Penetration per ASTM E331 at 383 Pa (8.0 psf)	Pass	No leakage	3
Water Penetration per ASTM E547 at 575 Pa (12.0 psf)	Pass	No leakage	3
Water Penetration per ASTM E547 at 718 Pa (15.0 psf)	Pass	No leakage	3
Water Penetration per AAMA 501.1 at 383 Pa (8.0 psf)	Pass	No leakage	3
Water Penetration per AAMA 501.1 at 575 Pa (12.0 psf)	Pass	No leakage	3
Water Penetration per AAMA 501.1 at 718 Pa (15.0 psf)	Pass	No leakage	3

Note 1: The tested specimen meets (or exceeds) the performance levels specified in AAMA/WDMA/CSA 101/I.S.2/A440 for air leakage resistance.

Note 2: Test Date 01/10/23/ Time: 7:15 AM (Air Note Only)

Note 3: With and without insect screen.

SECTION 8

ALTERATIONS

No alterations were required.